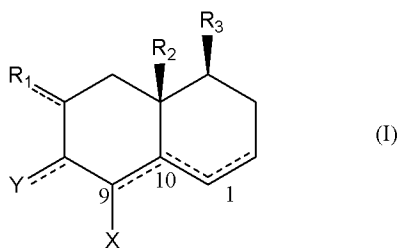


AMENDMENTS TO THE CLAIMS

1.-25. (Cancelled)

26. (Currently amended) A method for controlling termitespests, said method comprising exposing said termitespests to a pesttermite-controlling effective amount of a compound of formula (I) or a tautomer thereof or a composition comprising at least one compound of formula (I) or a tautomer thereof:



wherein:

X is ~~selected from~~ =O, S or N-R₄; and Y is hydrogen or hydroxyl; or Y is =O and X is OH and --
---- at positions 9 and 10 of the ring system is a double bond;

when ----- is a single bond attached to Y, Y is ~~selected from the group consisting of H,~~
[C(R₇)₂]_nhalo, [C(R₇)₂]_nOR₅, [C(R₇)₂]_nSR₅, [C(R₇)₂]_n(C=O)R₆, [C(R₇)₂]_n(C=S)R₆,
[C(R₇)₂]_nN(R₄)₂, [C(R₇)₂]_n(C=NR₄)R₆, [C(R₇)₂]_nNO₂ and [C(R₇)₂]_nNR₄OR₈;

when ----- is a double bond attached to Y, Y is O;

when ----- is a single bond attached to R₁, the substituent R₁ has a stereochemistry syn to
substituents R₂ and R₃ and R₁ is ~~selected from the group consisting of H, OH, SH, C₄-C₁₀ alkyl,~~
C₂-C₁₀-C₃ alkenyl, C₂-C₁₀ alkynyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₈-C₁₃ arylalkenyl, C₃-C₆
cycloalkyl, C₃-C₆ cycloalkenyl, C₄-C₁₀ cycloalkylalkyl, C₄-C₁₀ cycloalkenylalkyl, C₃-C₁₀
heterocyclyl, C₄-C₁₂ heterocyclylalkyl, C₅-C₁₃ heterocyclylalkenyl, C₄-C₁₀ alkoxy, C₂-C₁₀
alkenyloxy, C₄-C₁₀ alkylthio, C₂-C₁₀ alkenylthio, [C(R₇)₂]_nhalo, [C(R₇)₂]_n(C=O)R₆,
[C(R₇)₂]_n(C=S)R₆, [C(R₇)₂]_nN(R₄)₂, [C(R₇)₂]_n(C=NR₄)R₆, [C(R₇)₂]_nNO₂ and [C(R₇)₂]_nNR₄OR₈,

which is ;

when ----- is a double bond attached to R₁, R₁ is ~~C(R_{1a})R_{1b} wherein R_{1a} and R_{1b} are independently~~
~~selected from C₄-C₁₀-C₃ alkyl, which is~~ ;

R_2 and R_3 are independently selected from the group consisting of H, OH, SH, C_1 - C_{10} alkyl, C_2 - C_{10} alkenyl, C_2 - C_{10} alkynyl, C_6 - C_{10} aryl, C_7 - C_{12} arylalkyl, C_8 - C_{13} arylalkenyl, C_3 - C_6 cycloalkyl, C_3 - C_6 cycloalkenyl, C_4 - C_{10} cycloalkylalkyl, C_4 - C_{10} cycloalkenylalkyl, C_3 - C_{10} heterocyclyl, C_4 - C_{12} heterocyclylalkyl, C_5 - C_{13} heterocyclylalkenyl, C_4 - C_{10} alkoxy, C_2 - C_{10} alkenyloxy, C_4 - C_{10} alkylthio, C_2 - C_{10} alkenylthio, $[C(R_7)_2]_n$ halo, $[C(R_7)_2]_n(C=O)R_6$, $[C(R_7)_2]_n(C=S)R_6$, $[C(R_7)_2]_nN(R_4)_2$, $[C(R_7)_2]_n(C=NR_4)R_6$, $[C(R_7)_2]_nNO_2$ and $[C(R_7)_2]_nNR_4OR_8$;

each R_4 is independently selected from the group consisting of H, OH, C_1 - C_{10} alkyl, C_2 - C_{10} alkenyl, C_6 - C_{10} aryl, C_7 - C_{12} arylalkyl, C_8 - C_{13} arylalkenyl, C_3 - C_6 cycloalkyl, C_3 - C_6 cycloalkenyl, C_4 - C_{10} cycloalkylalkyl, C_3 - C_{10} heterocyclyl, C_4 - C_{12} heterocyclylalkyl, C_5 - C_{13} heterocyclylalkenyl, C_4 - C_{10} alkoxy and C_2 - C_{10} alkenyloxy;

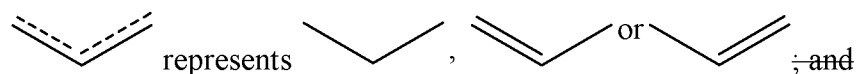
R_5 is selected from the group consisting of H, C_1 - C_{10} alkyl, C_2 - C_{10} alkenyl, C_6 - C_{10} aryl, C_7 - C_{12} arylalkyl, C_8 - C_{13} arylalkenyl, C_3 - C_6 cycloalkyl, C_3 - C_6 cycloalkenyl, C_4 - C_{10} cycloalkylalkyl, C_3 - C_{10} heterocyclyl, C_4 - C_{12} heterocyclylalkyl, C_5 - C_{13} heterocyclylalkenyl, $(C=O)R_6$, PO_3R_8 , SO_3R_8 and SO_2R_8 ;

R_6 is selected from the group consisting of H, OH, C_4 - C_{10} alkoxy, C_4 - C_{10} alkyl, C_2 - C_{10} alkenyloxy, C_2 - C_{10} alkenyl, C_6 - C_{10} aryl, C_6 - C_{10} aryloxy, C_3 - C_6 cycloalkyl, C_3 - C_6 cycloalkenyl, C_3 - C_6 cycloalkyloxy, C_3 - C_6 cycloalkenyloxy, C_3 - C_{10} heterocyclyl, C_3 - C_{10} heterocyclyloxy, C_4 - C_{10} alkylthio, C_4 - C_{10} alkenylthio, C_6 - C_{10} arylthio, C_3 - C_6 cycloalkylthio, and C_3 - C_{10} heterocyclylthio;

R_7 is selected from the group consisting of H, halogen, OR_5 , SR_5 , $N(R_4)_2$, $(C=O)R_6$, $(C=S)R_6$, C_1 - C_{10} alkyl, C_2 - C_{10} alkenyl, C_6 - C_{10} aryl, C_3 - C_{10} heterocyclyl, C_3 - C_6 cycloalkyl, C_7 - C_{12} arylalkyl, C_4 - C_{12} heterocyclylalkyl, C_4 - C_{10} cycloalkylalkyl, C_8 - C_{13} arylalkenyl, C_5 - C_{13} heterocyclylalkenyl, and NO_2 ;

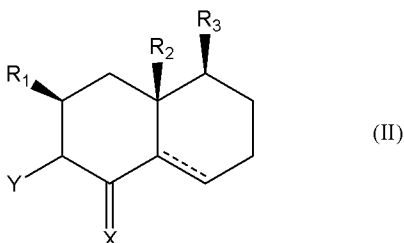
R_8 is selected from the group consisting of H, C_1 - C_{10} alkyl, C_2 - C_{10} alkenyl, C_6 - C_{10} aryl, C_7 - C_{12} arylalkyl, C_8 - C_{13} arylalkenyl, C_3 - C_6 cycloalkyl, C_3 - C_6 cycloalkenyl, C_4 - C_{10} cycloalkylalkyl, C_3 - C_{10} cycloalkylalkenyl, C_3 - C_{10} heterocyclyl, C_4 - C_{12} heterocyclylalkyl and C_5 - C_{13} heterocyclylalkenyl;

n is 0 or an integer selected from 1 to 5; and



wherein each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heterocyclyl group is optionally substituted.

27. **(Currently amended)** A method according to claim 26 wherein the compound of formula (I) is a compound of formula (II):

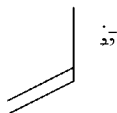


wherein:

X is selected from the group consisting of O, S or N-R₄;

Y is selected from the group consisting of H or OH, [C(R₇)₂]_nhalo, [C(R₇)₂]_nOR₅, [C(R₇)₂]_nSR₅, [C(R₇)₂]_n(C=O)R₆, [C(R₇)₂]_n(C=S)R₆, [C(R₇)₂]_nN(R₄)₂, [C(R₇)₂]_n(C=NR₄)R₆, [C(R₇)₂]_nNO₂ and [C(R₇)₂]_nNR₄OR₈;

R₁ is C₃ alkenyl, which is



R₂ and R₃ are independently selected from the group consisting of H, OH, SH, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₈-C₁₃ arylalkenyl, C₃-C₆ cycloalkyl, C₃-C₆ cycloalkenyl, C₄-C₁₀ cycloalkylalkyl, C₄-C₁₀ cycloalkenylalkyl, C₃-C₁₀ heterocyclyl, C₄-C₁₂ heterocyclylalkyl, C₅-C₁₃ heterocyclylalkenyl, C₁-C₁₀ alkoxy, C₂-C₁₀ alkenyloxy, C₁-C₁₀ alkylthio, C₂-C₁₀ alkenylthio, [C(R₇)₂]_nhalo, [C(R₇)₂]_n(C=O)R₆, [C(R₇)₂]_n(C=S)R₆, [C(R₇)₂]_nN(R₄)₂, [C(R₇)₂]_n(C=NR₄)R₆, [C(R₇)₂]_nNO₂ and [C(R₇)₂]_nNR₄OR₈; and

each R₄ is independently selected from the group consisting of H, OH, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₈-C₁₃ arylalkenyl, C₃-C₆ cycloalkyl, C₃-C₆ cycloalkenyl, C₄-C₁₀ cycloalkylalkyl, C₃-C₁₀ heterocyclyl, C₄-C₁₂ heterocyclylalkyl, C₅-C₁₃ heterocyclylalkenyl, C₁-C₁₀ alkoxy and C₂-C₁₀ alkenyloxy;

R₅ is selected from the group consisting of H, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₈-C₁₃ arylalkenyl, C₃-C₆ cycloalkyl, C₃-C₆ cycloalkenyl, C₄-C₁₀ cycloalkylalkyl, C₃-C₁₀ heterocyclyl, C₄-C₁₂ heterocyclylalkyl, C₅-C₁₃ heterocyclylalkenyl, (C=O)R₆, PO₃R₈, SO₃R₈

and SO_2R_8 ;

R_6 is selected from the group consisting of H, OH, $\text{C}_1\text{-C}_{10}$ -alkoxy, $\text{C}_1\text{-C}_{10}$ -alkyl, $\text{C}_2\text{-C}_{10}$ -alkenyloxy, $\text{C}_2\text{-C}_{10}$ -alkenyl, $\text{C}_6\text{-C}_{10}$ -aryl, $\text{C}_6\text{-C}_{10}$ -aryloxy, $\text{C}_3\text{-C}_6$ -cycloalkyl, $\text{C}_3\text{-C}_6$ -cycloalkenyl, $\text{C}_3\text{-C}_6$ -cycloalkyloxy, $\text{C}_3\text{-C}_6$ -cycloalkenyloxy, $\text{C}_3\text{-C}_{10}$ -heterocyclyl, $\text{C}_3\text{-C}_{10}$ -heterocyclyloxy, $\text{C}_1\text{-C}_{10}$ -alkylthio, $\text{C}_1\text{-C}_{10}$ -alkenylthio, $\text{C}_6\text{-C}_{10}$ -arylthio, $\text{C}_3\text{-C}_6$ -cycloalkylthio, and $\text{C}_3\text{-C}_{10}$ -heterocyclylthio;

R_7 is selected from the group consisting of H, halogen, OR_5 , SR_5 , $\text{N}(\text{R}_4)_2$, $(\text{C}=\text{O})\text{R}_6$, $(\text{C}=\text{S})\text{R}_6$, $\text{C}_1\text{-C}_{10}$ -alkyl, $\text{C}_2\text{-C}_{10}$ -alkenyl, $\text{C}_6\text{-C}_{10}$ -aryl, $\text{C}_3\text{-C}_{10}$ -heterocyclyl, $\text{C}_3\text{-C}_6$ -cycloalkyl, $\text{C}_7\text{-C}_{12}$ -arylalkyl, $\text{C}_4\text{-C}_{12}$ -heterocyclylalkyl, $\text{C}_4\text{-C}_{10}$ -cycloalkylalkyl, $\text{C}_8\text{-C}_{13}$ -arylalkenyl, $\text{C}_5\text{-C}_{13}$ -heterocyclylalkenyl, and NO_2 ;

R_8 is selected from the group consisting of H, $\text{C}_1\text{-C}_{10}$ -alkyl, $\text{C}_2\text{-C}_{10}$ -alkenyl, $\text{C}_6\text{-C}_{10}$ -aryl, $\text{C}_7\text{-C}_{12}$ -arylalkyl, $\text{C}_8\text{-C}_{13}$ -arylalkenyl, $\text{C}_3\text{-C}_6$ -cycloalkyl, $\text{C}_3\text{-C}_6$ -cycloalkenyl, $\text{C}_4\text{-C}_{10}$ -cycloalkylalkyl, $\text{C}_5\text{-C}_{10}$ -cycloalkylalkenyl, $\text{C}_3\text{-C}_{10}$ -heterocyclyl, $\text{C}_4\text{-C}_{12}$ -heterocyclylalkyl and $\text{C}_5\text{-C}_{13}$ -heterocyclylalkenyl;

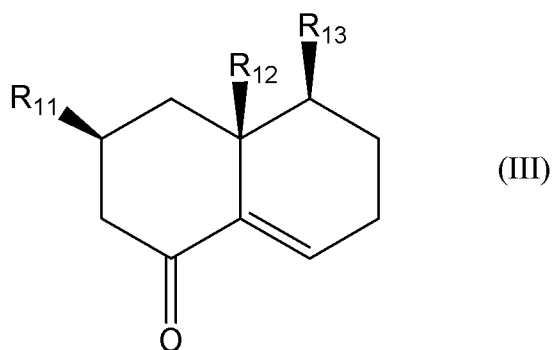
n is 0 or an integer selected from 1 to 5;

----- represents a single or double bond; and

wherein each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heterocyclyl group is optionally substituted.

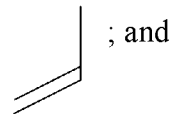
28. (Cancelled)

29. (Currently amended) A method according to claim 26, wherein at least one compound of formula (I) is a compound of formula (III):



wherein

~~R₁₁ is selected from the group consisting of C₂-C₁₀-C₃ alkenyl, C₇-C₁₂ arylalkyl, C₆-C₁₂ heteroarylalkyl and C₂-C₁₀ alkenyloxy wherein each C₂-C₁₀ alkenyl or C₂-C₁₀ alkenyloxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups, which is~~



; and

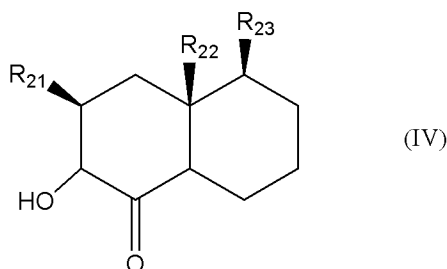
~~R₁₂ and R₁₃ are independently selected from the group consisting of H, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₃-C₁₀ cycloalkyl, C₅-C₁₀ heteroaryl, C₆-C₁₂ heteroarylalkyl and C₁-C₁₀ alkoxy, wherein each C₁-C₁₀ alkyl and C₁-C₁₀ alkoxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups.~~

30. **(Cancelled)**

31. **(Previously presented)** A method according to claim 26 wherein at least one compound of formula (I) is eremophilone.

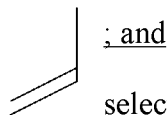
32. **(Cancelled)**

33. **(Withdrawn – Currently amended)** A method according to claim 26 wherein at least one compound of formula (I) is a compound of formula (IV):



(IV)

wherein R₂₁ is C₃ alkenyl, which is



; and

~~, R₂₂ and R₂₃ are independently selected from the group consisting of H, OH, SH, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₂-C₁₀ alkynyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₈-C₁₃ arylalkenyl, C₃-C₆ cycloalkyl, C₃-C₆ cycloalkenyl, C₄-C₁₀ cycloalkylalkyl, C₄-C₁₀ cycloalkenylalkyl, C₃-C₁₀ heterocyclyl, C₄-C₁₂ heterocyclylalkyl, C₅-C₁₃ heterocyclylalkenyl, C₁-C₁₀ alkoxy, C₂-C₁₀ alkenyloxy, C₁-C₁₀ alkylthio, C₂-C₁₀ alkenylthio, [C(R₇)₂]_n halo, [C(R₇)₂]_n (C=O)R₆, [C(R₇)₂]_n (C=S)R₆, [C(R₇)₂]_n N(R₄)₂, [C(R₇)₂]_n (C=NR₄)R₆, [C(R₇)₂]_n NO₂ and [C(R₇)₂]_n NR₄OR₈;~~

~~each R₄ is independently selected from the group consisting of H, OH, C₁-C₁₀ alkyl, C₂-C₁₀ alkenyl, C₆-C₁₀ aryl, C₇-C₁₂ arylalkyl, C₈-C₁₃ arylalkenyl, C₃-C₆ cycloalkyl, C₃-C₆ cycloalkenyl, C₄-C₁₀ cycloalkylalkyl, C₃-C₁₀ heterocyclyl, C₄-C₁₂ heterocyclylalkyl, C₅-C₁₃~~

~~heterocycylalkenyl, C₁-C₁₀-alkoxy and C₂-C₁₀-alkenyloxy;~~

~~R₆ is selected from the group consisting of H, OH, C₁-C₁₀-alkoxy, C₁-C₁₀-alkyl, C₂-C₁₀-alkenyloxy, C₂-C₁₀-alkenyl, C₆-C₁₀-aryl, C₆-C₁₀-aryloxy, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkenyl, C₃-C₆-cycloalkyloxy, C₃-C₆-cycloalkenyloxy, C₃-C₁₀-heterocycyl, C₃-C₁₀-heterocyclyloxy, C₁-C₁₀-alkylthio, C₁-C₁₀-alkenylthio, C₆-C₁₀-arylthio, C₃-C₆-cycloalkylthio, and C₃-C₁₀-heterocycylthio;~~

~~R₇ is selected from the group consisting of H, halogen, OR₅, SR₅, N(R₄)₂, (C=O)R₆, (C=S)R₆, C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₆-C₁₀-aryl, C₃-C₁₀-heterocycyl, C₃-C₆-cycloalkyl, C₇-C₁₂-arylalkyl, C₄-C₁₂-heterocycylalkyl, C₄-C₁₀-cycloalkylalkyl, C₈-C₁₃-arylalkenyl, C₅-C₁₃-heterocycylalkenyl, and NO₂;~~

~~R₈ is selected from the group consisting of H, C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₆-C₁₀-aryl, C₇-C₁₂-arylalkyl, C₈-C₁₃-arylalkenyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkenyl, C₄-C₁₀-cycloalkylalkyl, C₅-C₁₀-cycloalkylalkenyl, C₃-C₁₀-heterocycyl, C₄-C₁₂-heterocycylalkyl and C₅-C₁₃-heterocycylalkenyl; and~~

~~n is 0 or an integer selected from 1 to 5;~~

~~wherein each alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl and heterocycyl group is optionally substituted.~~

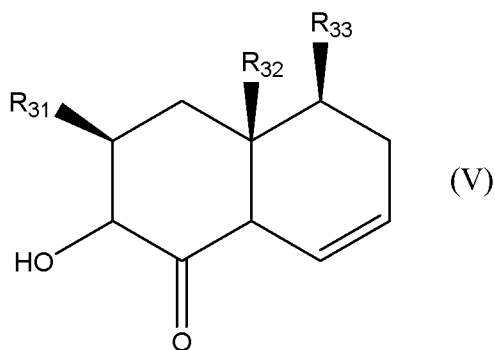
34. (Cancelled)

35. (Cancelled) .

36. (Withdrawn) A method according to claim 26 wherein at least one compound of formula (I) is 8-hydroxy-1(10) dihydroeremophilone.

37. (Cancelled)

38. (Withdrawn – Currently amended) A method according to claim 26 comprising at least one compound of formula (V):



wherein R_{31} is selected from the group consisting of C_2 - C_{10} C_3 alkenyl, C_7 - C_{12} arylalkyl, C_6 - C_{12} heteroarylalkyl and C_2 - C_{10} alkenyloxy wherein each C_2 - C_{10} alkenyl or C_2 - C_{10} alkenyloxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups, which is



; and R_{32} and R_{33} are independently selected from the group consisting of H, C_1 - C_{10} alkyl, C_2 - C_{10} alkenyl, C_2 - C_{10} alkynyl, C_6 - C_{10} aryl, C_7 - C_{12} arylalkyl, C_3 - C_{10} cycloalkyl, C_5 - C_{10} heteroaryl, C_6 - C_{12} heteroarylalkyl and C_1 - C_{10} alkoxy, wherein each C_1 - C_{10} alkyl and C_1 - C_{10} alkoxy is optionally substituted with 1 to 3 halo, hydroxy, thiol or nitro groups.

39. **(Cancelled)**

40. **(Withdrawn)** A method according to claim 26 wherein at least one compound of formula (I) is 8-hydroxyremophila-1,11-dienone.

41. **(Previously presented)** A method according to claim 26 wherein the composition comprises an extract containing at least one compound of formula (I) obtained from a volatile oil bearing plant from the Myoporaceae family.

42. **(Cancelled)**

43. **(Cancelled)**

44. **(Currently amended)** A method according to claim 26 wherein the pesttermite-controlling effective amount is a pesticidally termite-killing effective amount.

45. **(Currently amended)** A method according to claim 26 wherein the pesttermite-controlling effective amount is a pesttermite-repelling effective amount.

46. **(Currently amended)** A method according to claim 26 wherein the ~~pest~~termite-controlling effective amount is an antifeedant effective amount.

47. **(Canceled)**

48. **(Canceled)**

49. **(Canceled)**

50. **(Canceled)**

51. **(Canceled)**

52. **(Currently amended)** A method according to claim 26 wherein ~~pests~~termites are exposed to the ~~pest~~termite-controlling effective amount of a compound of formula (I) or a composition comprising at least one compound of formula (I) by applying the compound or composition to a site of infestation, a potential site of infestation, a habitat of the ~~pest~~termite or a potential habitat of the ~~pest~~termite.

53. **(Previously presented)** A method according to claim 52 wherein the compound or composition is applied to a surface or impregnated into a material or article of manufacture.

54. **(Previously presented)** A method according to claim 53 wherein the compound or composition is applied to a surface by spraying, coating or painting the surface.

55. **(Previously presented)** A method according to claim 54 wherein the surface is a soil surface, timber, buildings, wooden articles of manufacture or a physical barrier.

56. **(Previously presented)** A method according to claim 55 wherein the material or article of manufacture is soil, timber, timber or wooden products or buildings or parts of buildings.

57. **(Previously presented)** A method according to claim 52 wherein the compound or composition is applied in a band or furrow around a site of infestation or potential infestation or is mixed with a layer of soil at a site of infestation or a potential site of infestation.

58.-78. **(Cancelled)**

79. **(Currently amended)** A method of combating an already existing wood associated ~~pest~~ termite infestation comprising applying at least one compound of formula (I) or a tautomer thereof or a composition comprising at least one compound of formula (I) or a tautomer thereof to a wood associated ~~pest~~ termite affected surface, wherein the compound of formula (I) is as defined in claim 26.

80.-82. **(Cancelled)**

83. **(Withdrawn - New)** A method according to claim 26 wherein at least one compound of formula (I) is 9-hydroxy-7(11),9-eremophiladien-8-one.